ZIDLS for PDA

(Proof of Concept)

Currently, when zone inspections take place, an inspector records grades and deficiencies only on a paper checklist, which must then be physically routed to the Division Officer for action and sign-off.

The ZIDLS (Zone Inspection Deficiency Listings System) for PDA converts this paper method to an electronic system, allowing inspectors to create and complete their ZIDLs (Zone Inspection Deficiency Listings) entirely on a handheld device, then print the ZIDLs for action.

1 First, the inspector creates the Zone Inspection Bill on the handheld device, entering or selecting the necessary information, including:

- Zone, Work Center & Location
- Chain of command for the site
- Date
- Inspector's name

An inspector can create virtually unlimited numbers of ZIDLs to accommodate his/her inspection schedule.

2 When the inspector visits the site, he/she uses the electronic ZIDL already created to quickly record the results of the inspection. The following items can be recorded:

- Specific deficiencies to be addressed.
- Notes to provide details on a deficiency or on the overall inspection.
- Inspection grade in each of three areas (by selecting from a list of grades).

3 When the inspector completes all the zone inspections for the day, he/she simply uploads the electronic ZIDLs to a PC by syncing the PDA. This process transfers a database (*.dbf) file containing all the information from the ZIDLs on the handheld. Using a SPAWAR-developed utility, the inspector can review each ZIDL in detail and print reports that can then be routed to the Division Officer for action and sign-off.